

"Express Mail" Label No. EL623997838US
Date of Deposit 12/21/00

PATENT
Attorney Docket No.: 16866-002110US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

HUTCHENS and YIP

Application No.: Unassigned

Filed: Herewith

For: RETENTATE
CHROMATOGRAPHY AND PROTEIN
CHIP ARRAYS WITH APPLICATIONS
IN BIOLOGY

Examiner: Unassigned

Art Unit: Unassigned

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The references cited on attached forms PTO-1449 are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application No. 09/100,302, filed 06/19/98 (Attorney Docket No. 016866-002100). It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

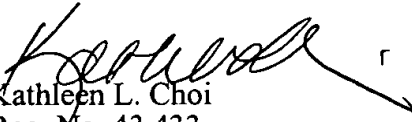
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No.

jc825 U.S. PTO
09/745388
12/21/00

20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


Kathleen L. Choi
Reg. No. 43,433

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
KLC:jkh

SF 1170668 v1

FORM PTO-1449 (Modified)

Attorney Docket No.
016866-002110Serial No.:
UnassignedLIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT
(Use several sheets if necessary)

Applicant: HUTCHENS and YIP

Filing Date:
Herewith

Group: Unassigned

10825 U.S. PTO
09/745388
12/31/98

Reference Designation

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
___ AA	5,719,060	02/19/98	Hutchens et al.	436	174	
___ AB	5,622,824	04/22/97	Hubert Koster	435	6	
___ AC	5,605,798	02/25/97	Hubert Koster	435	6	
___ AD	5,599,901	02/04/97	Lawrence M. Kauvar	530	328	
___ AE	5,587,293	12/24/96	Kauvar et al.	435	7.21	
___ AF	5,571,698	11/05/96	Ladner et al.	435	69.7	
___ AG	5,547,835	08/20/96	Hubert Koster	435	6	
___ AH	5,541,070	07/30/96	Lawrence M. Kauvar	435	7.9	
___ AI	5,445,934	08/29/95	Fodor et al.	435	6	
___ AJ	5,356,784	10/18/94	Lawrence M. Kauvar	435	7.9	
___ AK	5,340,474	08/23/94	Lawrence M. Kauvar	210	198.2	
___ AL	5,338,659	08/16/94	Lawrence M. Kauvar	435	7.1	
___ AM	5,223,409	06/29/93	Ladner et al.	435	69.7	
___ AN	5,133,866	07/28/92	Lawrence M. Kauvar	210	635	
___ AO	5,118,937	06/02/92	Hillenkamp et al.	250	282	
___ AP	5,045,694	09/03/91	Beavis et al.	250	287	
___ AQ	5,010,175	04/23/91	Rutter et al.	435	69.7	
___ AR	4,963,263	10/16/90	Lawrence M. Kauvar	210	635	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (yes/no)
___ AS	WO 97/10365	03/20/97	WIPO (Lockhart et al.)			
___ AT	WO 96/40888	12/19/96	WIPO (R.W. Nelson)			
___ AU	WO 96/37777	11/28/96	WIPO (Nelson et al.)			
___ AV	WO 95/35505	12/28/95	WIPO (Shalon et al.)			
___ AW	WO 95/00530	01/05/95	WIPO (Fodor et al.)			
___ AX	WO 94/28418	12/08/94	WIPO (Hutchens et al.)			
___ AY	WO 92/18619	10/29/92	WIPO (Kang et al.)			
___ AZ	WO 91/19818	12/26/91	WIPO (Dower et al.)			
___ BA	WO 91/18980	12/12/91	WIPO (J.J. Devlin)			
___ BB	WO 89/10977	11/16/89	WIPO (E. Southern)			

FORM PTO-1449 (Modified)		Attorney Docket No. 016866-002110	Serial No.: Unassigned
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: HUTCHENS and YIP	
		Filing Date: Herewith	Group: Unassigned
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)			
___ BC	Dogruel, D. et al. Rapid Tryptic Mapping Using Enzymatically Active Mass Spectrometer Probe Tips. Anal. Chem. 67: 4343-4348 (1995).		
___ BD	Krone, J. et al. BIA/MS: Interfacing Biomolecular Interaction Analysis with Mass Spectrometry. Anal. Biochem. 244: 124-132 (1997).		
___ BE	Krone, J. et al. Mass Spectrometric Immunoassay, in: Ultrasensitive Biochemical Diagnostics, Cohn G.E. et al. (Eds.), Proc. SPIE, 2680: 415-421 (1996)		
___ BF	Nelson, R.W. et al. Mass Spectrometric Immunoassay. Anal. Chem. 67: 1153-1158 (1995).		
___ BG	Nelson, R.W. et al. Peptide Characterization Using Bioreactive Mass Spectrometer Probe Tips. Rapid Commun. Mass Spectrom. 9: 1380-1385 (1995)		
EXAMINER		DATE CONSIDERED	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1449.WP 4/95

CIPHERGEN2100JDS

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Attorney Docket No.: 016866-002110US		Application No.: Unassigned	
			Applicant: HUTCHENS and YIP			
			Filing Date: Herewith		Group: Unassigned	
Reference Designation			U.S. PATENT DOCUMENTS			Page 1
Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
AA	5,453,199	09/26/95	Afeyan et al.			
AB	5,498,545	03/12/96	Vestal			
AC	4,752,562	06/21/88	Sheiman et al.			
AD	5,118,937	06/02/92	Hillenkamp et al.			
AE	4,126,554	11/21/78	Rainin			
AF	4,313,906	02/02/82	Filipi et al.			
AG	5,135,627	08/04/92	Soane			
AH	5,538,897	07/23/96	Yates, III et al.			
FOREIGN PATENT DOCUMENTS						
	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
AI	WO 89/03430	04/20/89	PCT (Kauver et al.)			
AJ	GB 2 281 122A	02/22/95	UK (Garman)			
AK	WO 94/28418	12/08/94	PCT (Hutchens et al.)			
AL	WO 94/06920	03/31/94	PCT (Russell et al.)			
AM	WO 97/09068	03/13/97	PCT (Hoffman et al.)			
AN	WO 89/09088	10/05/89	PCT(Kauvar)			
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER			DATE CONSIDERED			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			Attorney Docket No.: 16866-002110US		Application No.: Unassigned	
			Applicant: HUTCHENS and YIP			
			Filing Date: Herewith		Group: Unassigned	
Reference Designation			U.S. PATENT DOCUMENTS			Page 1
Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)
CA	5, 288,644	02/22/94	Beavis et al.	436	94	
CB	5,376,249	12/27/94	Afeyan et al.	204	180.1	
FOREIGN PATENT DOCUMENTS						
	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
CD	WO 96/36986	11/21/96	PCT (Patterson et al.)	Ho1J 49/04		
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER			DATE CONSIDERED			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.